



*Total Solution Provider in Saw Device*

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# SA806BM

LTE, RF SAW Filter

Revision 0: January 2011



- Electrical Characteristics
  - Package Dimensions
  - Testing Environment
  - Frequency Characteristics
- 

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## □ Electrical Characteristics

### Maximum Ratings

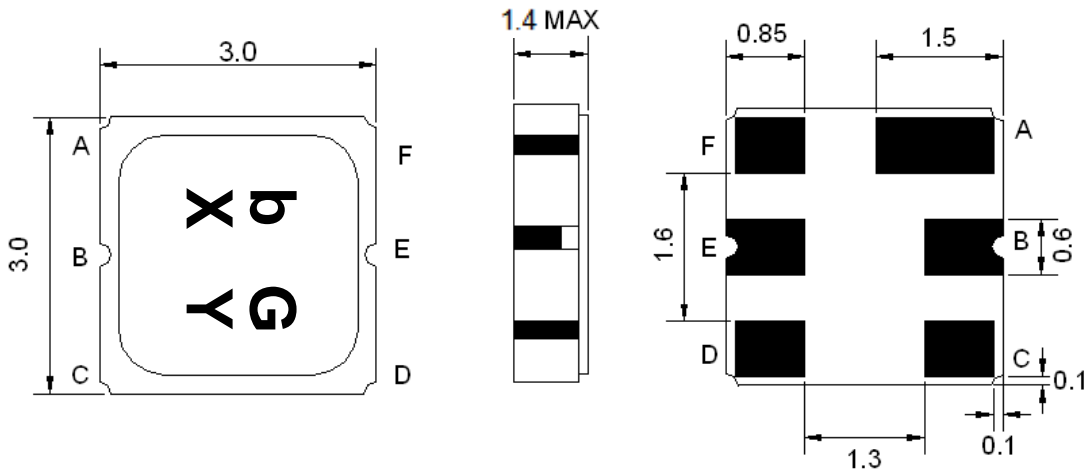
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	806.0	-
Insertion Loss within 791.0 ~ 821.0 MHz	dB	-	2.5	4.5
Amplitude Ripple within 791.0 ~ 821.0 MHz	dB <sub>p-p</sub>	-	1.0	2.5
<b>Attenuation:</b>				
D.C ~ 760.0 MHz	dB	40	50	-
832.0 ~ 862.0 MHz	dB	15	22	-
862.0 ~ 910.0 MHz	dB	35	45	-
VSWR within 791.0 ~ 821.0 MHz	-	-	1.8	2.5

**Notes :** (1) No Matching Network .

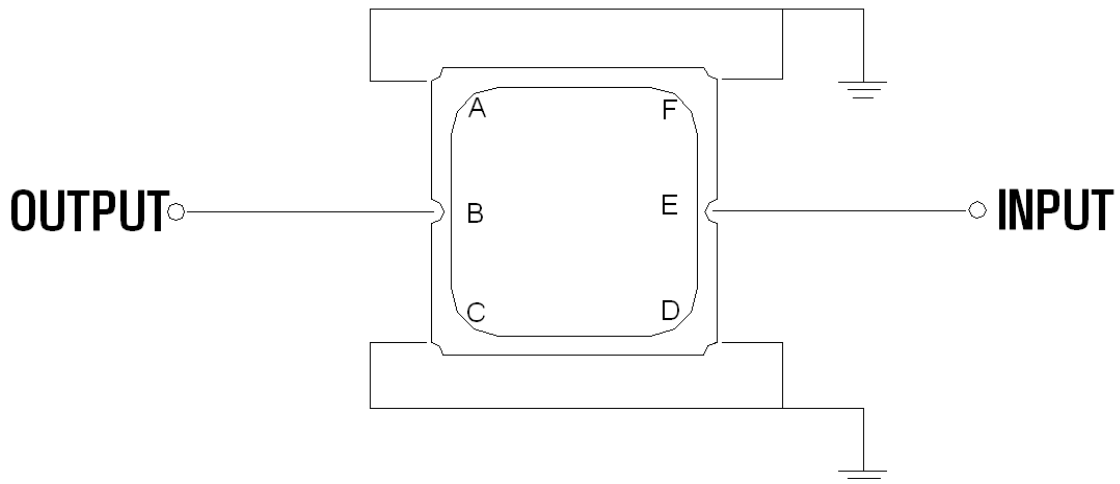
**Package Dimensions**



Marking Descriptions	
b	Wireless Application
G	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

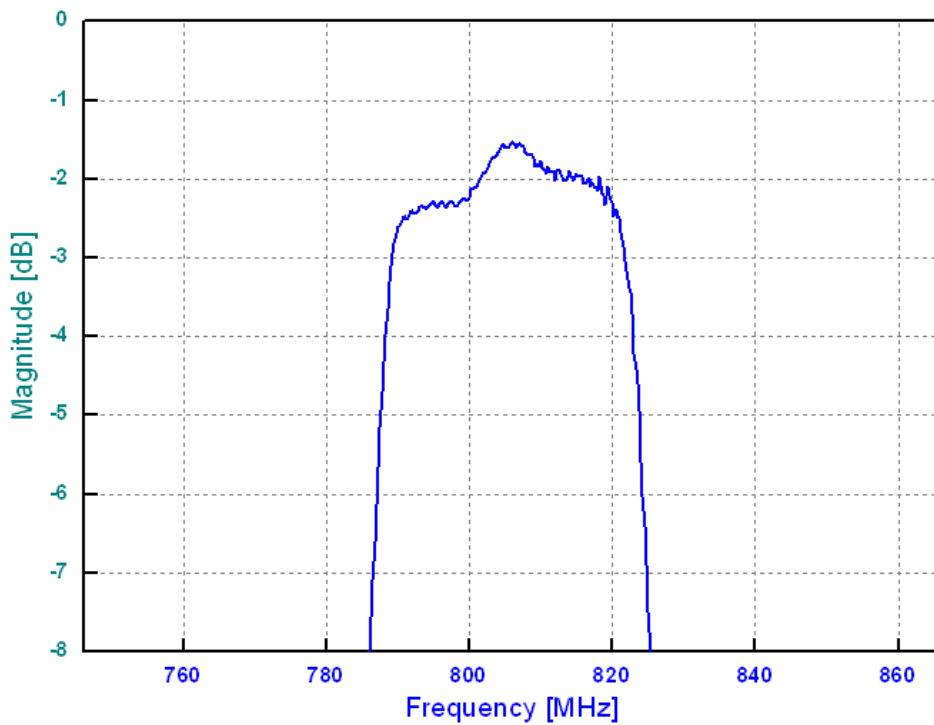
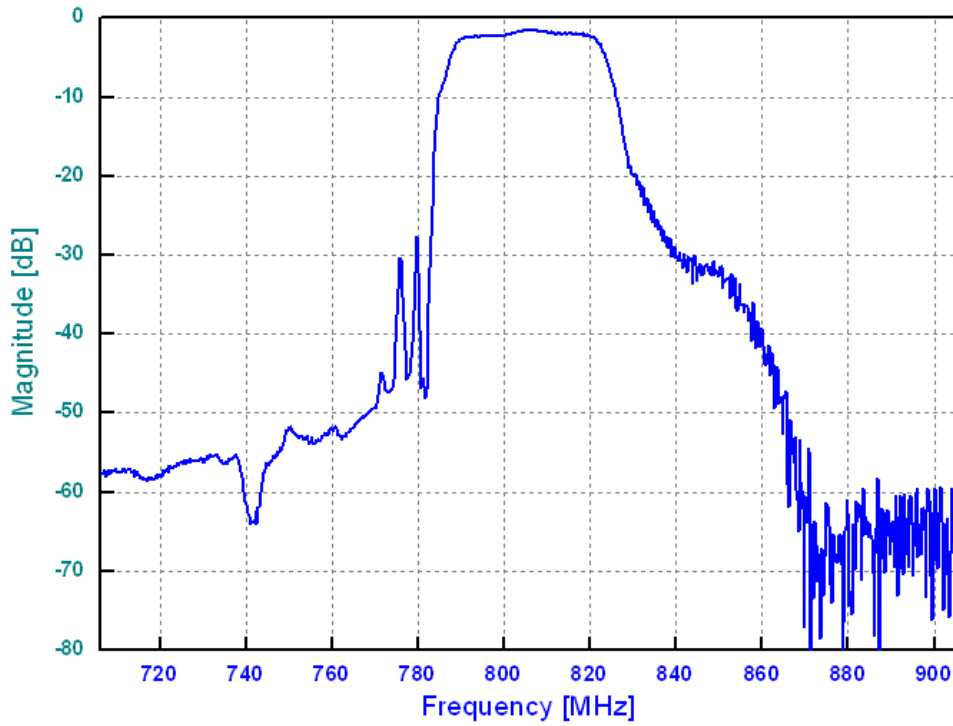
**Testing Environment**



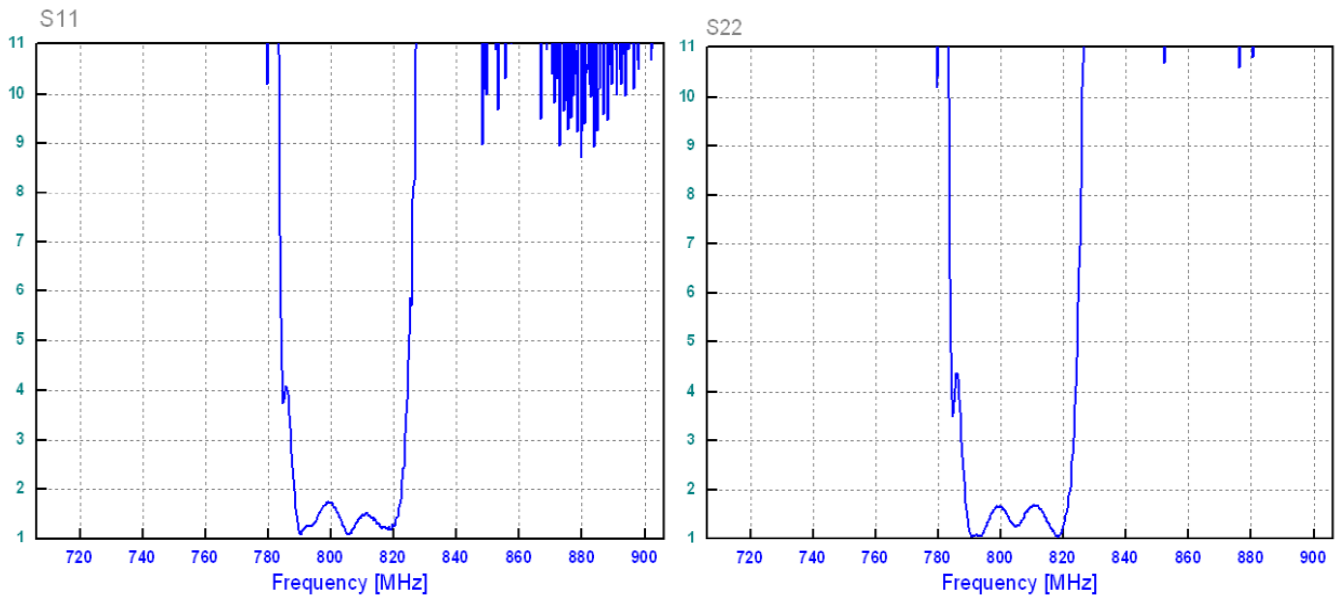
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

